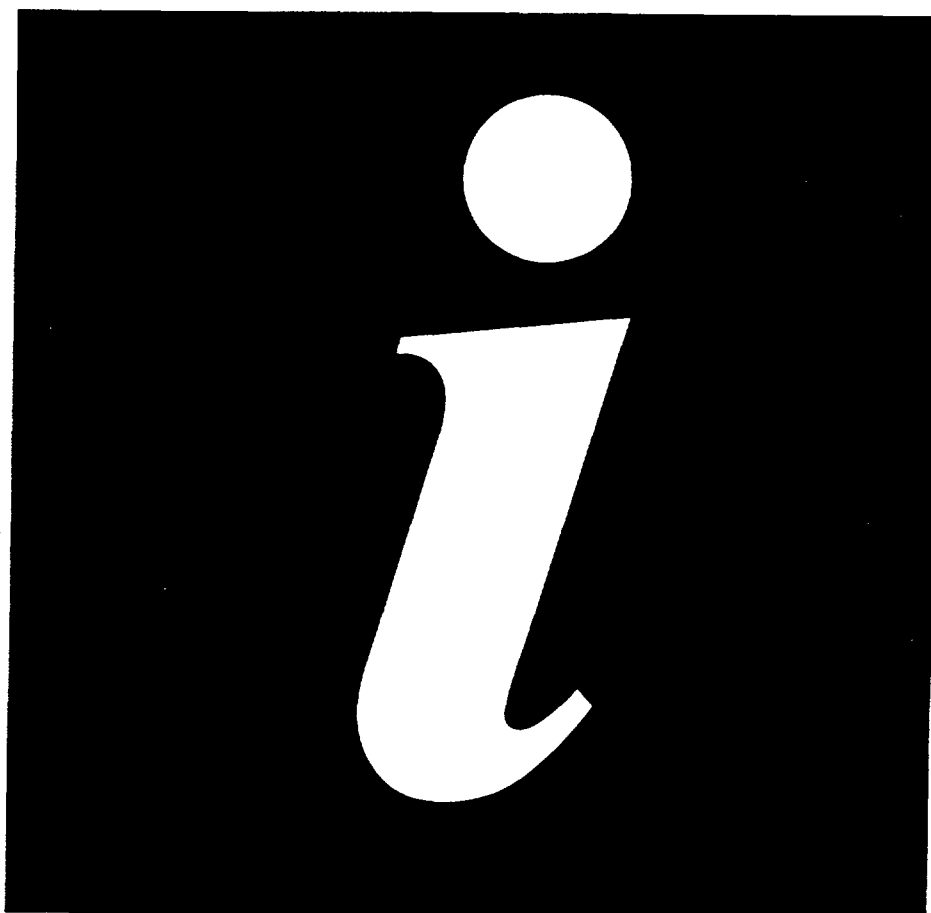


**I N F O**



**INSTRUCTIONS FOR INSTALLATION AND USE**

**CHEST FREEZER**

**EC3206N**

**EC4106N**

**EC5106N**

 **Electrolux**

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## TECHNICAL SPECIFICATIONS

Model		EC3206N	EC4106N	EC5106N			
Volume (gross)	litres	313	414	514			
Volume (net)	litres	297	392	488			
Height	cm	85.5	85.5	85.5			
Width	cm	105.0	132.5	160.0			
Depth	cm	66.5	66.5	66.5			
Weight	kg	49	56	66			
Energy consumpt./24h	kWh	1.56	1.87	2.20			
Freezing capacity	kg/24h	22	27	32			
Hold-over time	hours	28	30	31			
Rated power	W	130	140	200			

This freezer is in accordance with EC directive no. 87/308 concerning radio interference suppression.

Some of the models are not available in all countries.

Testing has been carried out in accordance with ISO 5155 regarding the determination of freezer capacity, energy consumption and hold-overtime.  
Information for test institute: A plan of the positioning of test packages may be obtained directly from the manufacturer.

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# SAFETY INSTRUCTIONS

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## WARNINGS AND GUIDELINES

These warnings are provided to improve safety, and should be read carefully before installing or using your freezer.

### IMPORTANT

**It is vital that these instructions are kept with the freezer for future use. If the freezer is sold or given to another user, or if you move and leave the freezer behind, you must ensure that the instructions accompany the freezer to enable the next user to use the freezer correctly and read the relevant warnings.**

- This freezer is only intended for the freezing and storage of food.
- This freezer should only be operated by adults. Children must not be allowed to tamper with the control buttons or play with the freezer.
- Changes in the electrical mains system in connection with the installation of this freezer should always be carried out by an authorised electrician or competent person.
- Do not under any circumstances attempt to repair the freezer yourself. Repairs carried out by untrained people may result in personal injury or serious malfunction of the freezer.
- Service of the freezer should be carried out by an authorised service company, and only original spare parts should be used. See under "Guarantee Conditions and Service".
- It is dangerous to alter the freezer specifications, or to change the freezer in any other way.
- Make sure that the freezer is not placed on top of the mains cable.
- Do not re-freeze food once it has been defrosted.
- Observe the recommendations for storage carefully. See under "Helpful Hints".

- This freezer includes components that are heated during operation. Consequently, adequate ventilation must always be provided. If ventilation is insufficient defects may occur, resulting in the loss of food. See under "Installation".
- The inside of the freezer contains pipes through which coolant flows. If these pipes are punctured the freezer may be damaged beyond repair, and food may be lost. Do not use sharp implements to remove frost or ice. Frost can be removed using the enclosed scraper. Do not knock ice off the sides of the freezer, but remove it by defrosting the freezer. See under "Maintenance".
- Do not place drinks in the freezer. Bottles and cans containing carbonic acid or sparkling drinks are particularly prone to explosion, which may damage the freezer.
- This freezer is heavy. Take care when moving it.
- If the freezer is fitted with a lock to prevent tampering by children, the key must always be kept safely out of the reach of children, and far away from the freezer.
- Before disposing of an old freezer, make sure that the lock (if present) no longer works. This is to prevent accidents and avoid the danger of children getting locked inside.
- Ice lollies can cause frostbite if eaten direct from the freezer.

## IN THE INTERESTS OF THE ENVIRONMENT:

When disposing of your old fridge, freezer or fridge/freezer:

Check with your local Council or Environmental Health Officer to see if there are facilities in your area for collecting the gas from the appliance for recycling. This will help reduce the amount of CFC gas released into the atmosphere.

Help to keep your country tidy - when disposing of an old appliance or a CFC free appliance use an authorised disposal site.

# INSTALLATION

## ELECTRICAL REQUIREMENTS.

Before switching on, make sure that the voltage of your electricity supply is the same as that indicated on the rating plate, located inside the lid.

### WARNING:

**This appliance must be earthed.**

For your convenience, this appliance comes complete with either a moulded-on or re-wireable 13 amp (BS1363) plug, protected by a 13 amp ASTA approved (BS1362) fuse. In the event of having to change the fuse in the plug supplied, a replacement 13 amp ASTA approved (BS1362) fuse must be used.

In the case of a moulded-on plug, the fuse cover **MUST** be refitted after changing fuse. If the fuse cover is lost or damaged the plug **MUST NOT** be used until a replacement is obtained.

Replacement covers are available from your local electricity shop or nearest customer service centre. The colour of the replacement fuse cover must match the colour insert or emboss on the base of the plug.

In the case of a re-wireable plug care must be taken to ensure that the top cover is refitted without causing damage to either the top cover or base. In the event of the plug becoming damaged or cracked, it must be replaced with an equivalent 13 amp, BS1363 approved plug (ref. fig. 1) and rewired using the following procedure:

The wire coloured green and yellow must be connected to the terminal marked with the letter "E" or by the Earth Symbol  $\perp$  or coloured green or green and yellow. The wire coloured blue must be connected to the terminal marked with the letter "N" or coloured black. The wire coloured brown must be connected to the terminal marked "L" or coloured red.

Upon completion there must be no cut, loose or stray strands of wire present and the cord clamp must be secure over the outer sheath and firmly tightened.

If a 13 amp (BS1363) plug is unsuitable for your sockets, the plug should be removed, (cut-off in the case of a moulded-on plug) and an appropriate plug fitted.

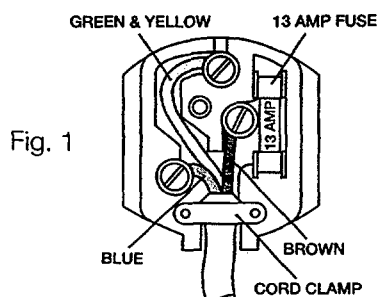
### NOTE:

**Moulded plugs cannot be re-used and should be discarded if cut from a mains lead, as insertion into a 13 amp socket could prove fatal.**

### IMPORTANT

**The wires in the mains lead are coloured in accordance with the following code:**

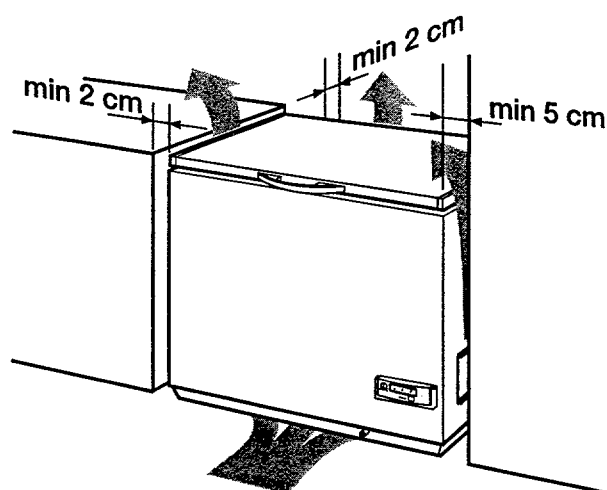
<b>Green and Yellow</b>	-	<b>Earth</b>
<b>Blue</b>	-	<b>Neutral</b>
<b>Brown</b>	-	<b>Live</b>



# INSTALLATION

## POSITION

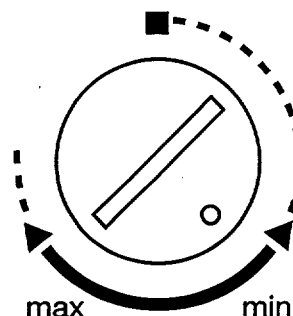
- Place the freezer horizontally on a firm surface, resting on all four plastic feet. Use a wooden block or similar object to compensate for any bumps/holes in the surface.
- The room should be dry and adequately ventilated.
- If the room temperature exceeds 32°C, or falls below freezing point, the freezer will not function as it should.
- Do not place the freezer close to sources of heat, radiators, chimneys, etc., and do not place the freezer in direct sunlight.
- If the freezer has been handled standing on end it should be allowed to stand in normal position for about 12 hours before switching it on.
- **Please ensure that when the appliance is installed it is easily accessible for the engineer in the event of a breakdown.**



## SWITCHING ON

Before switching on, the freezer should be cleaned inside. See under "Maintenance".

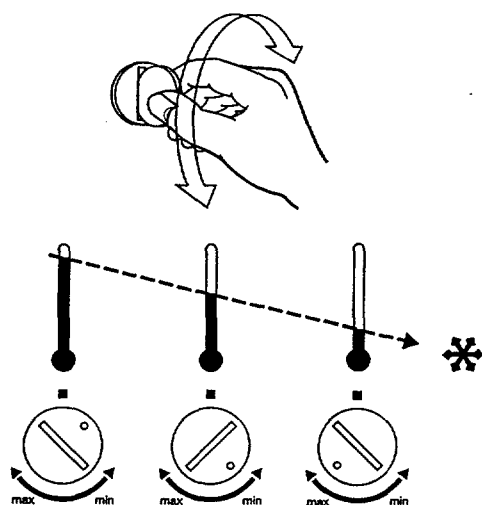
Set the thermostat button in middle position. Allow the freezer to run for several hours before placing food inside.



# HOW TO USE

## TEMPERATURE CONTROL

The thermostat ensures that the required temperature is maintained in the freezer. Adjust the temperature by turning the button with a coin that fits the groove. Turning the thermostat button towards "MAX" makes the temperature in the freezer colder, and turning the button towards "MIN" makes the temperature warmer. The correct setting can be found by measuring the temperature of the top package in the middle of the freezer. This should not have a temperature higher than  $-18^{\circ}\text{C}$ .



## OPENING/CLOSING THE LID

The lid is fitted with a tightly closing sealing strip to prevent moisture getting inside the freezer and increasing the amount of frost formed.

When the lid is opened the air inside the freezer becomes slightly warmer and expands.

As soon as the lid is closed again the air is cooled immediately.

This may lead to the creation of a vacuum which makes it hard to open the lid immediately after it has been closed. This is quite normal.

Wait a few minutes until the vacuum has disappeared, then open the lid by pulling gently. Never pull the handle violently.

## CONTROL PANEL

The green light is illuminated as long as the freezer is connected.

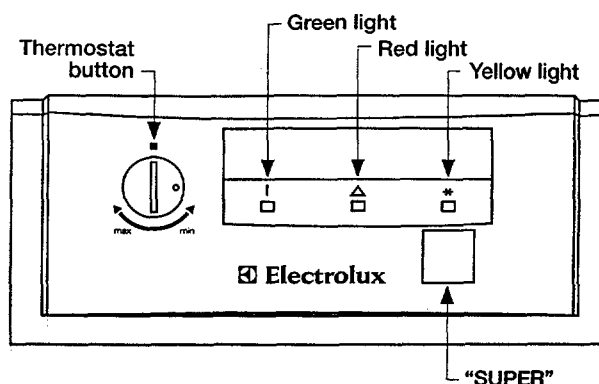
The yellow light is illuminated when the "Super" button is depressed. See under "Freezing".

The red light is illuminated when the temperature in the freezer is higher than the thermostat setting (alarm).

The red alarm light can be due to:

- Insertion of a large amount of fresh food. The red alarm light will go out after a while.
- Opening the lid too long. The red alarm light will go out after a while.

- A defect in the system. See under "If something does not work".



## FREEZING

It is important that fresh food placed in the freezer is frozen quickly, and that the food already in the freezer is heated as little as possible in this connection.

If more than 3-4 kg of food is to be frozen:

- Press the square "Super" button (yellow light comes on). The freezer will now run continuously, creating a sufficient reserve of the temperature required.
- Press the "Super" button 6-24 hours before placing fresh food in the freezer, depending on how much food is to be frozen.
- Place the food in the freezer and leave the "Super" button on for about 24 hours more.
- Then press the "Super" button again (yellow light goes off). The freezer will return to normal storage temperature. If you forget to press the "Super" button again, the freezer will not be damaged by running at the "Super" setting for some time - but energy will be wasted.

## PACKAGING AND POSITIONING

- Food must be cold before freezing (no more than room temperature).
- Food must be packed in airtight and moisture-proof packaging to prevent it from drying out.
- Place fresh food for freezing close to the cold sides of the freezer, making sure that it is not in contact with the frozen food already in the freezer.
- Never fill the freezer to more than 5 mm below the top edge.

See under "Helpful hints".

## CAPACITY

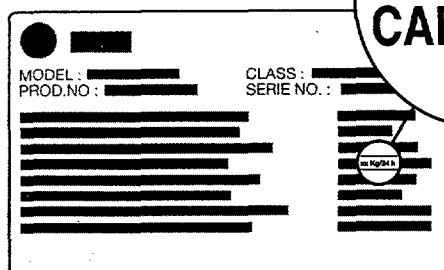
The freezing capacity of the freezer is stated in the data plate (kg/24 hours). Do not exceed the amount stated - if you do, the freezing time will be extended. The data plate is located inside the lid.

## HOW TO USE

### IMPORTANT

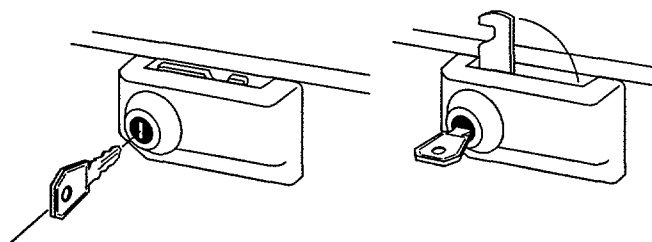
The freezing capacity stated can be utilised to the full occasionally to freeze large amounts of fresh food. However, if the freezer is filled with large amounts of food for freezing every day, the capacity stated is reduced by about one-third.

### FREEZING CAPACITY



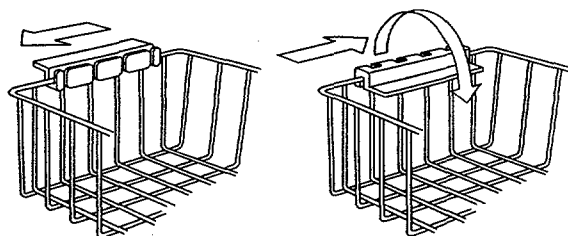
### LOCK

(Not a standard accessory for all models.) The lock works as shown in the drawings. Remember to keep the key out of the reach of children.



### BASKETS

The baskets are designed for the storage of food which has already been frozen. The handles can be placed in two positions, as shown in the drawings. The baskets can either be placed inside the freezer or hung on the edge of the casing.



### LOW FROST SYSTEM.

The patented LOW FROST System reduces the ice-build-up in the chest freezer by up to 80 percent, which results in up to five times longer periods between the requirement to defrost.

To get the full benefit of the system, please observe the following points:

The amount of ice-build-up in any freezer is very much dependent of the moisture of the surrounding air. The ice will build up quicker in a humid climate than in a dry climate.

Therefore you should avoid installing your freezer in very humid surroundings.

The LOW FROST system minimizes the amount of ice caused by the natural temperature cycle of the freezer. However, ice-build-up from other sources is not reduced. The most important other sources are poorly wrapped food and warm air introduced when the lid is opened.

Therefore, it is important to ensure that the lid isn't opened unnecessarily, and the lid is not obstructed by packs of food when closed.

If food stored in the freezer is not wrapped properly, humidity from the food will settle as ice on the freezer walls. Food quality will also deteriorate, so ensure that food put in the freezer is wrapped well.

### Maintenance and Cleaning.

The LOW FROST system does not need any maintenance or cleaning during normal use. If needed the pipe can be wiped with a soft cloth. Do not use any sharp or piercing tools, as this may damage the system.

## HELPFUL HINTS

### STORAGE

Frozen food can be stored anywhere inside the freezer, but should be kept at least 5 mm below the top edge. Never exceed the maximum storage time for purchased frozen food.

When you buy frozen food, make sure that it has been stored at the correct temperature. Do not buy products which have wet or damaged packaging.

Place purchased products in your freezer as quickly as possible. We recommend using an insulated bag to bring such products home with you.

Never place bottles, warm objects, or fizzy drinks in the freezer.

### FREEZING

Only use fresh food of the best quality. Cool hot dishes to room temperature as quickly as possible before placing them in the freezer.

Wrap food carefully in freezer foil, or use the special freezer boxes or bags which are on the market. Divide food into small portions before freezing - this ensures that freezing is more rapid, and means that you only need to defrost the amount needed for immediate consumption. Remember that defrosted food must not be re-frozen. However, dishes which have been made using defrosted food may be frozen.

Mark the freezer packaging with the date of freezing. We recommend keeping a record of the contents of your freezer.

If freezing is too slow, the quality of the food being frozen deteriorates. Consequently, do not freeze larger amounts than stated in the freezer's data plate. If you wish to

freeze food several days in a row, the maximum freezing capacity stated per day is reduced by about one-third.

As far as possible, keep the lid closed during freezing. If you know nothing about home freezing, we recommend that you purchase a book containing advice and guidelines.

### DEFROSTING

In general food should not be defrosted at room temperature, since this increases the risk of bacteria growth. It is best to defrost large portions of meat or poultry in the refrigerator, and this also applies to food which is to be consumed as it is (e.g. fruit, butter and sliced meat).

Small portions of food can be cooked straight from the freezer. A good number of ready-to-cook dishes can also be cooked without defrosting. Always observe the instructions on product packaging.

Bread tastes good when defrosted in a moderate oven.

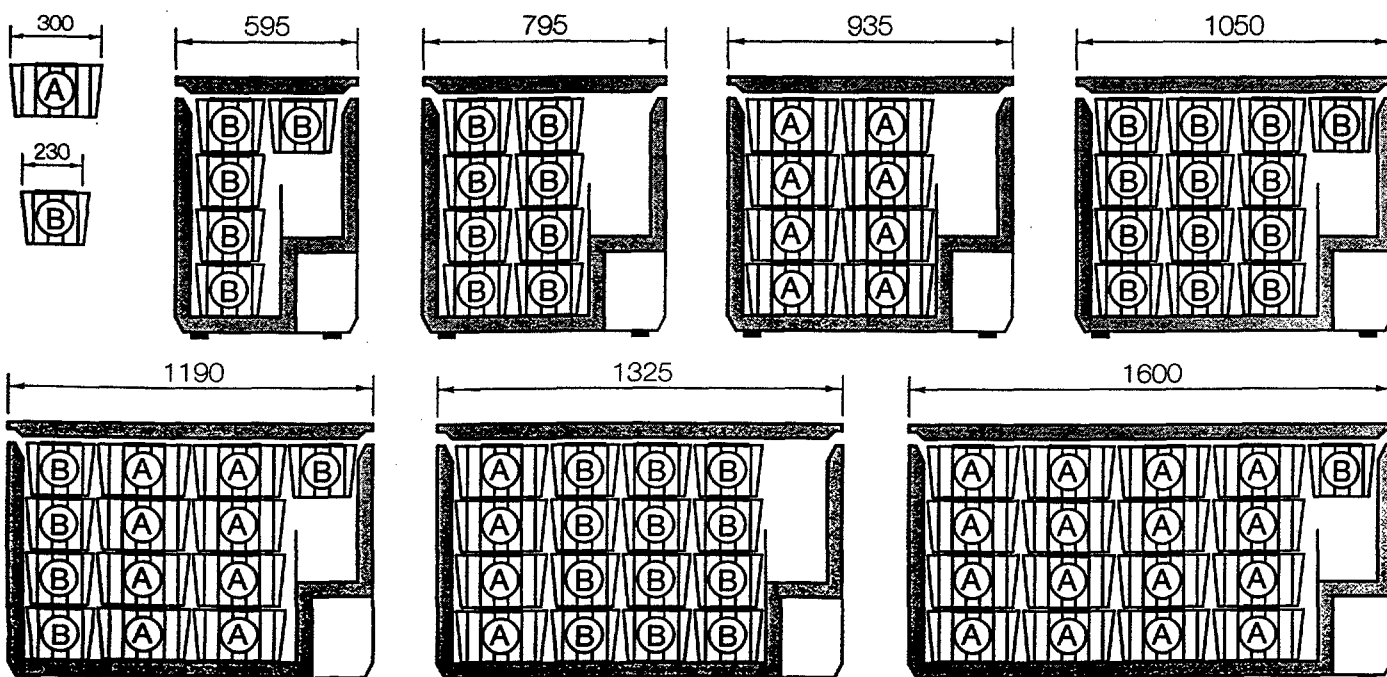
Microwave ovens can be used for the rapid defrosting of most frozen foods. Observe the instructions for use of the microwave oven concerned.

### ACCESSORIES

Spare baskets can be purchased as accessories from some local dealers or from Electrolux Service Centres.

The illustrations on this page show how many baskets can be placed in the various freezer models.

Measure the length of your freezer and find the appropriate illustration. The number above each illustration indicates its length in millimetres.





# MAINTENANCE

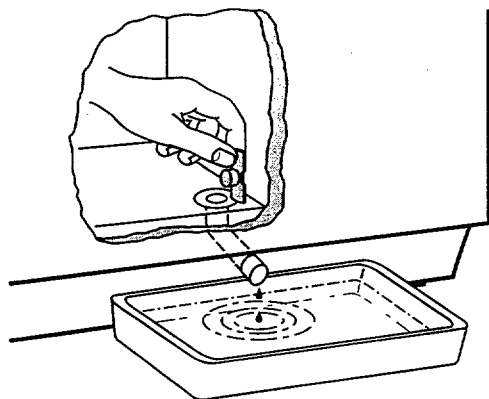
## DEFROSTING

The formation of frost on the inside of freezers cannot be avoided. Frost is formed when moisture contained in the air comes into contact with the cold surfaces of the freezer. Consequently, the lid should only be opened when necessary, and it should never be left open. A thin layer of ice or frost does not affect the function of the freezer adversely, and can be removed carefully using the scraper provided.

### IMPORTANT

**Never use a knife or any other sharp implement to remove frost.**

When the frost or ice layer is 10-15 mm thick, the freezer should be defrosted. We suggest that you defrost your freezer when there is little or no food inside. Switch off the current. Remove the contents of the freezer, wrap them in newspapers, and leave them in a cold place. The speed of defrosting can be increased by placing one or more bowls of hot (not boiling) water inside the freezer and closing the lid. Open the lid after a while, and remove the layer of ice carefully. The defrost water can be collected in a bowl as shown in the drawing.



Do not try to speed up defrosting by using anything other than hot water, since this may damage the freezer. After defrosting, clean the inside of the freezer.

### IMPORTANT

**Remember to replace the plug in the drip water drain.**

## HOW TO CLEAN YOUR FREEZER INSIDE

Remove the plug from the mains socket, and remove all loose accessories before cleaning the freezer. The best time to clean your freezer is after defrosting and before the electricity supply is connected again. Use a damp cloth to clean your freezer. Use hot water, and a mild, non-aromatic cleaning agent. After cleaning the freezer, clean the basket/baskets before replacing them.

### IMPORTANT

**Never use strong cleaning agents, scouring powder or strongly aromatic cleaning agents to clean your freezer inside, since this will damage the inside and leave a strong smell.**

## EXTERNAL CLEANING

Wash the outer cabinet with warm soapy water. Do NOT use abrasive products.

## WHEN NOT IN USE

- Disconnect the appliance from the electricity supply.
- Remove all goods from the freezer.
- Clean the freezer as described above.
- Leave the lid slightly open.

# IF SOMETHING DOES NOT WORK

## IF YOUR FREEZER DOES NOT FUNCTION SATISFACTORILY

Check the following before calling for service staff:

Defect:	Check if:	Possible cause:	Action:
Freezer not cold enough	Green light not on	Plug not connected correctly	Check plug and socket
		Defect in switch or fuse	Check fuse, call electrician
		Power failure	Wait until current returns
	Green and red light on	Fresh food recently placed in freezer	Wait a couple of hours
		Lid open too long	Wait a couple of hours
	Green light on, red light not on	Thermostat set too warm	Set thermostat colder
Lot of frost and ice formed		Defrost freezer	
Freezer too cold	Yellow light on	"Super" function active	Press "Super" button out
	Yellow light not on	Thermostat set too cold	Set thermostat warmer
Too much frost formed	Lid does not close completely	Lid in contact with goods in freezer	Re-arrange goods, check that lid closes correctly
	Lot of moisture in the room	Moisture from washing machine, tumble-dryer, etc.	Move freezer to a room with less moisture, or air regularly
	Goods packed poorly	Lot of moisture from goods	Re-pack goods, see under "How to use"

If you are still unable to solve the problem, summon the assistance of authorised service staff.  
Do not take any other steps. Incorrect procedure may cause personal injury or lead to additional defects.  
It is quite normal for the freezer to seem warm on the outside occasionally, owing to the heat generated by the freezing process. This heat also helps to prevent the formation of moisture on the outside of the appliance which could cause rust.  
If the freezer has been switched off briefly, the compressor may not start immediately when the current is re-connected. This is quite normal.

## IN THE CASE OF A POWER FAILURE OR BREAKDOWN

The hold-over period mentioned in the "Technical Specification" section of this book refers to an estimated time the freezer temperature will take to rise to an unacceptable level for keeping frozen foods.  
Providing the period of power failure or breakdown does not exceed the hold-over period there will be no risk of damage to the frozen food, providing you do not open the lid during this period.  
If the freezer is only half full or the lid is opened this will reduce the hold-over time.

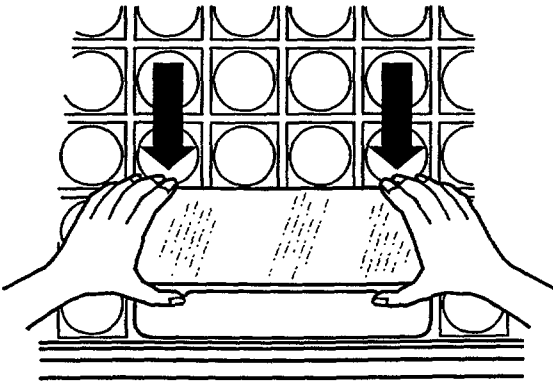
After the breakdown period you are recommended to check the condition of food to ensure it has not started to thaw. Frozen food must NOT be re-frozen once it has thawed out. The following guidelines should assist you.

- Ice cream:** Once thawed should be discarded.
- Fruits & Vegetables:** If soft should be cooked and used up.
- Breads & Cakes:** Can be re-frozen without danger.

- Shellfish:** Should be refrigerated and used up quickly.
- Cooked Dishes:** ie. casseroles should be refrigerated and used up.
- Large Pieces of Meat:** Can be re-frozen providing there are still ice crystals remaining within them.
- Small Joints:** Should be cooked and can then be re-frozen as cooked dishes.
- Chicken:** Should also be cooked and re-frozen as a cooked dish.

## HOW TO CHANGE THE BULB

Before changing the bulb, isolate the appliance from the electricity supply.  
Exert pressure to remove the light glass as shown in the drawing. Unscrew the bulb, and replace it with a new bulb (max. 15W). Then re-connect the electricity supply.  
Extra bulbs are available from your local Electrolux Service Centre.



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## **GUARANTEE CONDITIONS AND SERVICE**

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### **GUARANTEE**

We, Electrolux, undertake that if within 12 months of the date of the purchase this Electrolux appliance or any part thereof is proved to be defective by reason only of faulty workmanship or materials, we will, at our option repair or replace the same **FREE OF ANY CHARGE** for labour, materials or carriage on the condition that:

- The appliance has been correctly installed and used only on the electricity supply stated on the rating plate.
- The appliance has been used for normal domestic purposes only, and in accordance with the manufacturer's operating and maintenance instructions.
- The appliance has not been serviced, maintained, repaired, taken apart or tampered with, by any person not authorised by us.
- All service work under this guarantee must be undertaken by an Electrolux service representative or authorised agent.
- Any appliance or defective part replaced shall become our property.
- This guarantee is in addition to your statutory and other legal rights.
- Home visits are made between 8.30 am and 5.30 pm Mon-Fri. Visits may be available outside these hours in which case a charge will be made.

### **EXCLUSIONS**

This guarantee does not cover:

- Damage or calls resulting from transportation, improper use or neglect, the replacement of any light bulbs, removable parts of glass or plastic, or vacuum cleaner drive belts, brushes or dustbags.
- Costs incurred for calls to put right an appliance which is improperly installed or calls to appliances outside the United Kingdom.
- Appliances found to be in use within a commercial environment, plus those which are subject to rental agreements.
- Products of Electrolux manufacture which are NOT marketed by Electrolux.
- EEC countries. The standard guarantee is applicable but subject to the owner's responsibility and cost to ensure the appliance meets the standards set by the Country to which the product is taken. Proof of purchase may be required.

### **SERVICE**

The telephone number of your nearest Electrolux Service Centre can be found in your local British Telecom phone book.

 **Electrolux**